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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/532,731	04/26/2005	Serge Auvin	427.095	6471
47888 7590 06/13/2008 HEDMAN & COSTIGAN P.C.			EXAMINER	
1185 AVENUE OF THE AMERICAS		HABTE, KAHSAY	KAHSAY	
NEW YORK, NY 10036			ART UNIT	PAPER NUMBER
			1624	
			MAIL DATE	DELIVERY MODE
			06/13/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of Allowability

Application No.	Applicant(s)				
10/532,731	AUVIN ET AL.				
Examiner	Art Unit				
Kahsay T. Habte	1624				

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address-All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included
herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS
NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative
of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

- This communication is responsive to 06/04/2008.
- 2. The allowed claim(s) is/are 1-4.
- 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some* c) None of the:
 - 1. A Certified copies of the priority documents have been received.
 - 2. Certified copies of the priority documents have been received in Application No. _____
 - Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDOMMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

- 4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
- 5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) Thereto or 2) to Paper No./Mail Date
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

 DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- 1. Notice of References Cited (PTO-892)
- 2.
 Notice of Draftperson's Patent Drawing Review (PTO-948)
- Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date
- Examiner's Comment Regarding Requirement for Deposit of Biological Material
- 5. Notice of Informal Patent Application
- Interview Summary (PTO-413), Paper No./Mail Date .
- 7. X Examiner's Amendment/Comment
- 8. T Examiner's Statement of Reasons for Allowance
- Other .

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EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the
changes and/or additions be unacceptable to applicant, an amendment may be filed as
provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST
be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Charles Muserlian on June 5, 2008. Enter the following:

Replace claims 3-4 in the claim set (06/04/2008) with

Claim 3 (previously presented) A compound of claim 1, wherein

 R¹, R², R⁴, R⁵ and R⁶ are independently selected from the group consisting of hydrogen alkyl and alkoxy;

--

- R³ is hydrogen or methyl;
- ♦ W is -O- or -S-:
- * X is -Y-CO- or -O-Y-CO-:
- ♦ -(AA)_n- is an -(AA²)-(AA¹)- such that AA¹ is Leu and AA² is an ammo soid
 chosen from the group consisting of natural amino acide, 3-methylvaline,
 norvaline, phenylglycine, vinylglycine and 2-aminobutynic acid;
- R is hydrogen.

or a salf (bereof.

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Claim 4 (previously presented)

A compound of claim 1 is selected from the

group consisting of:



- N-(10H phenothioziń-2-ylearbonyl)-L-leucyl-L-leucyl-
- \mathbb{N}^1 [(3S) 2-methoxytetrahydrofuran-3-yl]-L leucinamide;
- N-(10H-phenothiszio-2-ylearbonyl)-L-leucyl-L-leucyl-N¹-[(3S)-2-hydroxytetrahydrofuran-3-yl]-L-leucinamide;
- N '-{(38)-2-hydroxyletrabydrofuran-3-yl]-L-feticinathrde;
- $-N\cdot(10H-phonothiazin-2-yicarhonyl)glycyl-N^{1}-[(3S)-2-methoxytetrohydrofuran 3\cdotyl]-1-feucinamide;$
- N-(10H-phenothiazin-2-yicarbonyl)leucyl N I [(3S)-2-methoxytetrshydrofuran-3-yil-L-leucinamide;
- $-N^6 \cdot [(benzyloxy) carbonyl] \cdot N^2 \cdot (10H \cdot phenothizzin \cdot 2 \cdot ylcarbonyl) lysyl \cdot \cdot$
- N1 [(3S) 2 methoxytetrahyoroftman 3 yl] L leucinsmide;
- 1-(10H-phenothiazin-2-ylcarbonyi)-L prolyl \mathbb{N}^1 -[(3S) 2-methoxytetraliydiofuran-3-yl]-L-feucinamide;

- N (10H-phenethiazin-2-ykarbonyl)glycyl-N¹-[(3S)-2-hydroxyteushydrofuran-3-yl] L-lenethamide;
- $\sim N-(10H-phenothiozin-2-ylcarbonyl) \\ I eucyl-N^{1}-[(3S)-2-bydroxytetrahydrotioxsn-3-yl]-L-leucinsmide;$
- $N-\{(10H-phenothiazin-2-yloxy)acetyl\}-I.-alamyl-N'-\{(3S)-2-methoxytetrahydroftaran-3-yl\}-L-leucinamide;$
- N-[(10H-phenothiszin-2-yloxy)acctyl]-L-valyl-N-[(3S)-2-methoxytetrshydrofumn3-yl]-L-leucinamide;
- N-[(1.0H-phenothizzin-2-yloxy)acctyl]-β-alanyl-N¹-[(3S)-2-methoxytetrahydrofuran-3-yl]-L-leucinamide;
- N-methyl-N-[(10H-phenothiazin-2-yloxy)acetyl]glycyl-
- N1-[(3S)-2-methoxytotrahydrofuran-3-yl]-L-leucinamide;
- N-|(10H-phonothiczin-2-yloxy) π ectyl]-D-valyl-N¹-[(3S)-2-methoxytetrahydrofiiran-3-yl]-L-leucinamide;
- 3-methyl-N-[(10H-phenothiozin-2-yloxy)acetyl]-L-valyl-
- N1-[(3S)-2-methoxytetrahydrofuran-3-yl]-L-lencinamide;
- $-N^1-[(38)-2\cdot methoxytetrahydrofuran-3-yl]\cdot N^2-((28)-2-\{[(101)-phenofhiazin-2-yloxy)-acctyl]omino\}butanoyl)-L-feucinam(de;$
- N-[(10H-phonothiazin-2-yloxy)acetyl]-L-norvalyl-N 1 -[(3S)-2-methoxytotrahydrofuran-
- 3-vll-L-leucinemide:
- $\sim N-[(10H-phenothiazin-2-yloxy)acetyt]-1-scryt-N^1-[(3S)-2-methoxytetrahydrofuran-3-yl]-L-leucinamide;$
- N-[(10) I-phonothiazin-2-yloxy)acetyl]-L-threonyl N¹-[(38)-2-methoxyletrahydrofurgu-
- 3-yl]-L-Imeinamide:
- N^{+} [(3S)-2-methoxytetrshydrofuran-3-yl]- N^{2} -((2S)-2-{[(10H-phenothiazin-2S)-2-(10H-phenothiazin-2S)-2S}-10H-phenothiazin-2S
- 2-yloxy/acetyljamino}-2-phenylethanoyl)-L-leucinamide;
- N 1 -((2S)-2-methoxytetrahydrofuran-3-yl]-N 2 -((2S)-2-{[(10H-phenothiszin-2-yloxy)acetyl]amino) but-3-cnoyf)-1,-leucinamide;

- ~ 2-methyl-N-[(10H-phenothiazin-2-yloxy)acetyl]alenyl-
- N³-[(3S) 2-methoxytetraliydrofuran-3-yl]-L leucinamide;
- $-N^{\delta}-\{(benzyloxy)carbonyl]-N^{\delta}-\{10H-\mu)enothiazin-2-ylearbonylyssyl-N^{\xi}-\{(3S)-2-hydroxylettahydrofuran-3-yl]\ L\ leucinamide;$
- '- 1-(10H phenothiazin-2-ylcarbonyl). L-prolyl-N¹-[(3S)-2-hydroxytetrahydrofuran-3-yl]-L-leucinamide;
- $-N-(10H-pheno(hiazin-2-ylearbonyl)] eucyl-N^2-(3S)-2-(acetyloxy) tetrahydrofuran-3-yl]-L-leucinamide;\\$
- N^2 -(10FI-phenothiazin-2-ylearbunyl)]ysyl-N 4 -[(3S) 2-hydroxytetrahydrofuran-3-yl-L-kulcinamide;
- $-N^{-1}(1011-phenothiazin-2-ylacetyl)-\hat{L}-leucyl-N^{2}-([38]-2-methoxytetrahydrofuran-3-ylj-1eleucinamide;$
 - O-(tert-butyl)-N-(101)-phonotinazin-2-ylacetyl)-L-seryl-
- Nº-[(3S)-2-methoxytetrahydrofitran-3-yl]-L-leneinemide;
- N-(10H-phenothiazin 2-ylacetyl)-L-alanyl-3-cyclohexyl-
- N!-[(3S)-2-methoxytetrahydrofuran-3-yll-1-alaninarhide:
- N-(10H-phenothiszin-2-ylacetyl)-L-leucyl-N¹-[(3S) 2 hydroxytetrahydrofuran-3-yl]-leucinamide:
- O (tert-buryl)-N-(10H-phenothiazin-2-ylacetyl)-L-seryl-
- N1-[(3S) 2-hydroxytetrahydrofitran-3-yl]-L-leucinamide;
- N-(10H-phenothiozin-2-ylacoryl)-1-alanyi-3-cyclohexyl-
- N1-[(3S)-2-hydroxyterrabydrofuran-3-yl]-L-aleninamide;
- N-[3-(10H-phenothiszin-2-yl)propancyl]-L-leucyl-N¹-[(3S)-2-methoxytetrahydroftran-3-yl] L-leucinamide;
- N-[3-(10H-phenoth/azin-2-yl)propanovl1-L-leucyl-
- N1-[(3S)-2-hydroxytetrahydrofuran 3-yl]-L-leucinamide;
- N-[{10H-phenultúszin-2-yloxy)acetyl}-L leucyl N'-[(3S) 2 methoxytetrahydrofuran-3-yl}-L-leucisamide;
- N-[()013-phenod.iszin-2-yloxy)ocetyl]-glycyl-N'-((3S)-2-methoxytetrahydroftiran-3-yl]-L-leucinamide;

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- N-[(10H-phenothiazin-2-yloxy)acetyl |-glycyl-N 1 -[(38)-2-methoxytetrahydrofuran-3-yl]-L-valinamide;
- N-[(10H phenothiazin-7-yloxy)acetyl]-glycyl 3 cyclohexyl-
- N^{i} -[(38)-2-methoxytetraliydrofuran-3-yl] L-alaninamide;
- N-[(10H-phenothiazin-2-yloxy)acetyl]-glycyl-N-[(3S)-2-methoxytetrahydrofuran-3-yl]-l-phenylalsuinzmide;
- N-[(1011-phenothiazin-2-yloxy)scetyl]glycyl-N2-isobutyl-
- N1-[(3S)-2-methoxytetrohydrofurari-3-yl]glycinamide;
- N-[(1011-phenothiazin-2-ylnxy)see(yl)-L-leucyl- \mathbb{N}^4 - $\{(3S)$ -2-hydroxytetahydrofuran-3-yl]-L-leucinamide:
- N-[(10H-phenoth)azin:2-yloxy)acetyl]-glycyl-N¹ [(3S)-2-hydroxytetiahydrofuran-3-yl]-L-leucinamide;
- N-[(10H-phenothiazin-2-yloxy)acetyl]-L-alanyi-N $^{\rm I}$ [(3S)-2-hydroxytetralrydrofuran-3-yl]-L-leucinamide;
- N-[(10H-phenothiazin-2 yloxy)acetyl]-L-valyl-N³-[(3S)-2 hydroxytetrahydrofuran-3-yl]-L-feucinamide;
- $N-((10H-phenothlazin-2-yloxy)acety]-\beta-alanyl-N^l-[(3S)-2-hydroxytetrahydroffucau-3-y]-L-lottoinamide;$
- N-methyl-N-[(10H-phenothiazin-2-yloxy)acetyl]glycyl-
- N^3 -[(3S)-2 hydroxytcirshydrofman-3-yl]-L-leuoinamide;
- N-[(10H-phenothiaght-2 yloxy)acetyl]-D-valyl-N¹-[(3S)-2-hydroxytetrahydrofhran-3-yl]-L-leucinamids;
- 3-mothy/-N-[(10H-phenothiazin-2-yloxy)acetyl]-L-vslyl-
- \mathbb{N}^{1} [(38)-2-hydroxytetraliydrofuran-3-yl]-Leleucinamide;
- N¹-[(3S)-2-hydroxysetrebydrofuran-3-yl] N²-((2S)-2-{[(10H-phenothiazin-2-yloxy)acetyl]amino}butanovl)-L-leucinamide;
- N-[(10H-phenothiazin 2-yloxy)acetyl]-L-norvalyl-N¹ [(3S)-2-hydroxytetrahydrofuran-3-yl]-L-leucinamide;
- N-[(10H-phenothiazin-2-yloxy)acetyl]-L-seryl-N 1 -((3S)-2-hydroxytetrahydrofusan-3-yl]-L-leavinamide;

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- N4(10H-phenothiazin-2 yloxy)acctylj-1 -threonyl-N¹-[(33)-2-hydroxytetrahydrofuran-3-ylj-L-leucinamide;
- N^1 -[(3S)-2-hydroxytetrahydrofman-3-yl]- N^2 -((2S)-2-{[(10H-phenoth)azin-
- 2-yloxy)acetyl]aminn)-2-phenylethanoyl)-L-leucinamide;
- \mathbb{N}^1 -{(3S)-2-hydroxyretrahydrofu au-3-yl}- \mathbb{N}^2 -{(2S)-2-{{(10H-phenothiozin-2-yloxy)-acctyl}amino}hut-3-enoyl}-L-leucinamide;
- 2-methyl-N-[(10t)-phenothiaziu-2-yloxy)acetyl]qlanyl-
- N1-((38)-2-hydroxytetraliydroforan-3-yi]-L. Jencinamide;
- N-[(fill-phenothiazin-2-yloxy)acetyl]glycyl-N¹-{(3S) 2-hydroxytetrahydrofuran-3-yll-L-valinamide:
- N-ft (OH-phenothiazin-2-vloxy)acetyflglycyl-3 cyolohexyl-
- N¹-[(3S)-2-hydroxytetrahydroffican-3-yt]-Lalaninamide;
- N-[(1011-phenothiazin-2-yloxy)acetyl]glycyl-N {(3S)-2-hydroxytetiahydrofuran-3-yl]-L-phenylalaninamide:
- N [(10H-phenothiazin-2-yloxy)acetyl]glycyl-N t -[(3S)-2-llydloxytetrahydrofuran-3-yl]-N 2 -(pobutylglycinamide;
- N-F2-methyl-2-(10H-phenothiazin-2-yluxy)propanoyl jglycyl-
- N1 {(3S)-2-methoxytetrahydrofuran-3-yl]-L-leucinamide;
- N-[2-methyl-2-(10H-phenothiazin-2-yloxy)propanoyl]glycyl-
- N¹-[(3S)-2-hydroxytetrahydrofuran-3-yl]-L-leucinamide;
- N-(10,11-dihydro-5H-dihenzo[5,f]azepin-3-ylearhonyl)-L leucyl-N¹-{(38)-2-methoxytetrahydrofuran-3-yl}-Leucinamide;
- N (10,11 dihydro 5H dibenzo[b,f]azepin-3-ylcarbonyl)-L-leucyl-N (3S) 2 hydroxyretrahydrofuran 3 yll L leucinamide;
- $\Re [(S-acetyl-10,) \ 1-dihydro-5H-dibenzo[b,f] \\ azepin-3-yl) \\ carbonyl] L-lencyl-10, \\ for each order of the control of the control$
- \mathbb{N}^1 [(3S) 2 methoxytetrshydrofuran 3-yl]-L leucinamide;
- 2-methyl-N-[(10H-phenothiazin-2-yloxy)acetyl]alanyl- \mathbb{N}^1 -[(3S)-2-hydroxytetraliydrofuran-3-yl]-L-feocinamide sand

or a salt thereof.

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Conclusion

 Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kahsay Habte whose telephone number is (571) 272-0667. The examiner can normally be reached on M-F (9.00AM- 5:30PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James O. Wilson can be reached at (571) 272-0661. The fax phone number for the organization where this application or proceeding is assigned is (571)-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Kahsay T. Habte/ Primary Examiner, Art Unit 1624

June 13, 2008